

Field multiplexer - IB IL 24 MUX MA-PAC - 2861205

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Inline field multiplexer, complete with accessories (plug and labeling field), transmission of very remote signals without configuration

Product Features

- Up to 63 I/O terminals can be connected
- Up to 512 digital or 32 analog I/Os (or a mixture) can be connected



Key commercial data

package_quantity	1
GTIN	4017918902506

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	48.8 mm
Height	135 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %
Air pressure (operation)	80 kPa ... 106 kPa
Air pressure (storage/transport)	80 kPa ... 106 kPa
Degree of protection	IP20

General

Weight	212 g
Mounting type	DIN rail
Test section	RS-485 interface / supply voltage 500 V AC
Test section	RS-485 interface / local bus 500 V AC

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Technical data

Interfaces

Fieldbus system	RS-485
Name	Remote bus
Connection method	Inline shield connector
Transmission physics	RS-485
Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

System limits of the bus coupler

Number of local bus devices that can be connected	32 (without additional power terminal block, observe allowable total current consumption)
Number of devices with parameter channel	0
Number of branch terminals with remote bus branch	0

Power supply for module electronics

Connection method	8-pos. Inline power connector
Name	Supply
Supply voltage	24 V
Supply voltage range	19.2 V ... 30 V (including ripple)
Ripple	1,2 V _{SS}
Current consumption	< 60 mA (without connected I/O terminal blocks (24 V DC supply))

Inline potentials

Communications power U_L	7.5 V DC ±5 %
Power supply at U_L	2 A DC (observe derating)
Main circuit supply U_M	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_M	max. 8 A DC (Sum of U _M + U _S)
Segment supply voltage U_S	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_S	max. 8 A DC (Sum of U _M + U _S)
I/O supply voltage U_{ANA}	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_{ANA}	0.5 A DC (observe derating)

classifications

eCl@ss

eCl@ss 4.0	27250201
eCl@ss 4.1	27250201
eCl@ss 5.0	27250203
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608

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classifications

ETIM

ETIM 2.0	EC000768
ETIM 3.0	EC000768
ETIM 4.0	EC000768
ETIM 5.0	EC000768

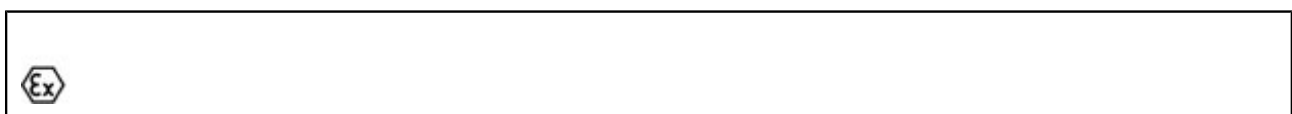
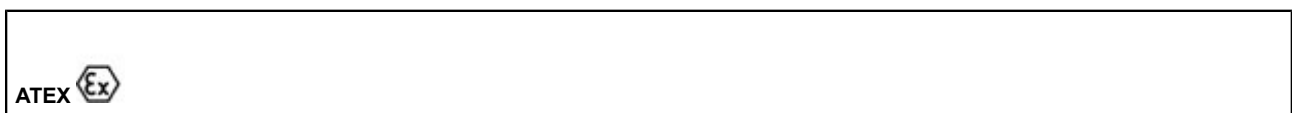
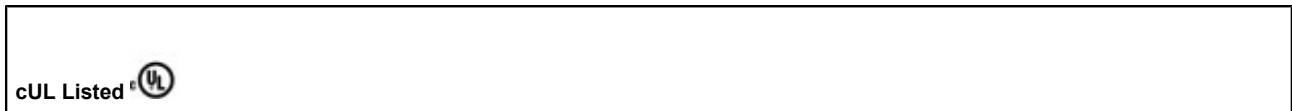
UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

approvals

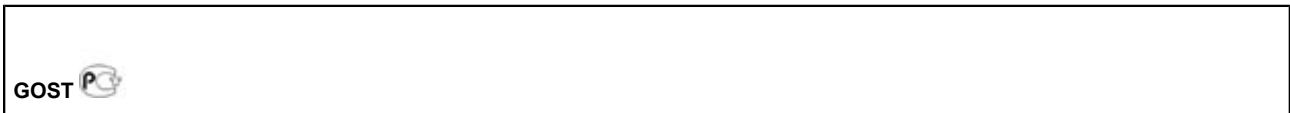
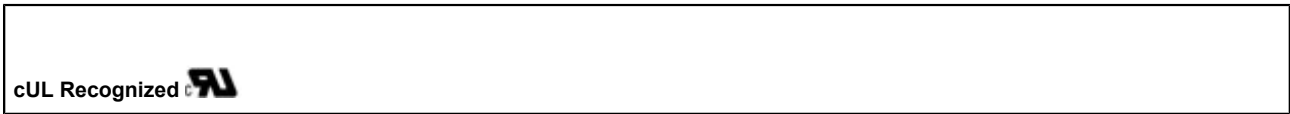
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Approval details



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approvals



accessories

Connector set

IB IL MUX-PLSET - 2836036



Field multiplexer - IB IL 24 MUX MA-PAC - 2861205

accessories

Labeling panel

IB IL FIELD 8 - 2727515



Terminal marking

ESL 62X46 - 0809502



Adapter cable

IB IL MUX-CAB PSI - 2878476



accessories

IB IL MUX UM - 2718426



IB IL MUX UM E - 2718439

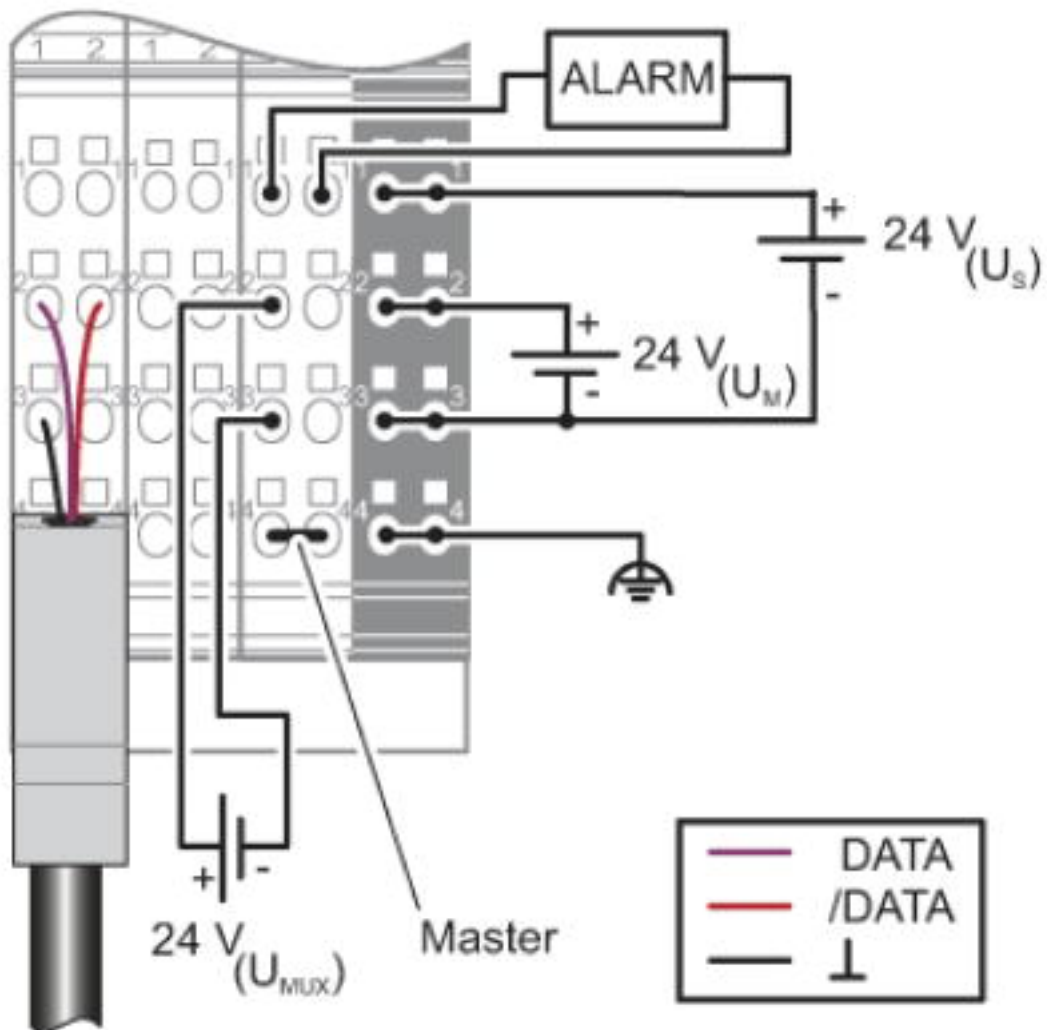


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accessories

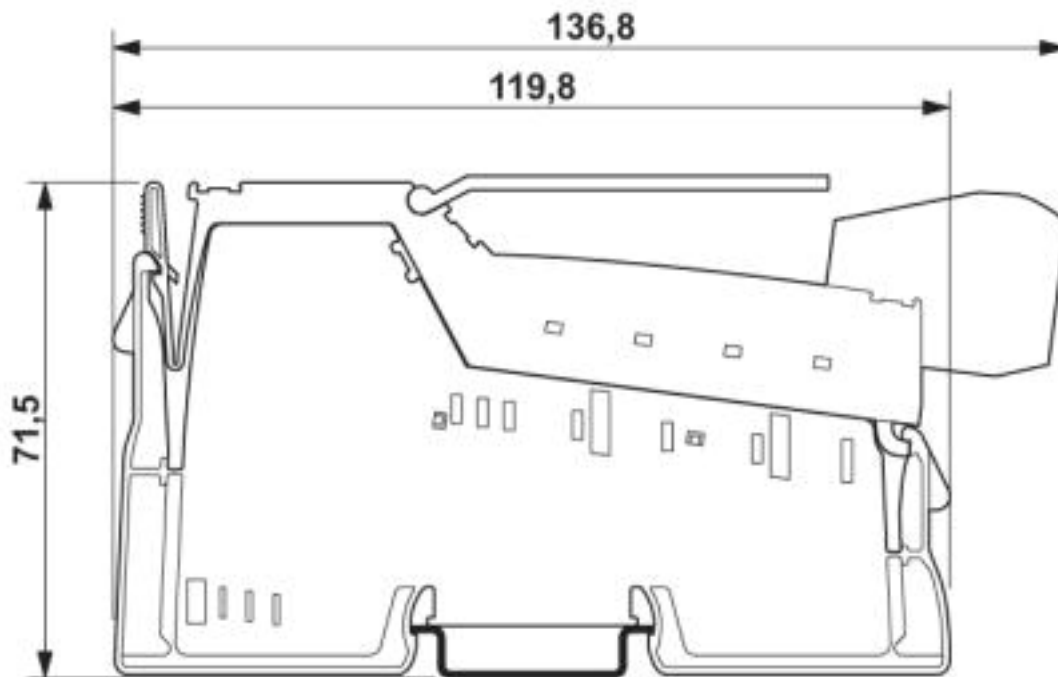
Drawings

Connection diagram



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Dimensioned drawing



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